



Part Number 75-104-4 FLH Touring 2:1 Competition Series Exhaust System (95-08)

Congratulations, you have purchased the finest exhaust system available for your motorcycle. Your Vance & Hines Motorsports exhaust is designed and crafted for maximum performance, a great sound and unbeatable style. Please follow the instructions below, check exhaust system for missing or damaged parts and if you need any assistance please contact our technical support line (317) 852-9057.

ATTENTION:

This exhaust system is for racing purposes only.

STOCK EXHAUST SYSTEM REMOVAL

Please remove the following:

1. Remove both the left and right saddlebags.
2. Loosen the pinch clamp bolt on front end of each muffler.
Note: On older model Touring exhaust, spread the clamps just enough to remove them.
3. Remove two 5/16" bolts holding the left and right mufflers to the saddlebag supports.
4. Remove the stock mufflers and set them aside.
Note: It may be necessary to use a penetrating lubricant on the slip joint between muffler and head pipe.
5. On later models with O² sensors find and unplug the O² sensor wires from the wiring harness and remove cable ties holding front wire to the frame. Feed the end of the wires through the frame so they are free from the motorcycle.
Note: Pay attention to the wire routing for re-installation.
6. Loosen the heatshield clamps on both front and rear head pipes.
7. Loosen the left rear head pipe mounting clamp located behind the rear cylinder. Remove the section of head pipe that connects to left side muffler.
8. Remove the clamp that secures front head pipe to the transmission bracket.
9. Remove the right hand floor board.
10. Remove the flange nuts that secure each head pipe to cylinder head. Carefully remove the head pipes and set them aside.
11. Carefully remove the flanges and circlips from the stock exhaust system using snapping pliers to be reused on installation.
12. Remove the stock transmission bracket while motorcycle is on side stand. To access the standard transmission bracket, first remove the oil dip stick cover and the clutch release cover. There will be some loss of transmission fluid so the use of a drain pan or suitable container is recommended.
Note: If motorcycle is resting in a near vertical position, engine/transmission oil must be drained completely before removing covers refer to (*Figure 1*).
13. Remove and save the four allen bolts holding the stock transmission bracket for reinstallation.

If the exhaust circlips are bent or twisted they should be replaced.

Replace the stock exhaust gaskets with Harley-Davidson part number #17048-98

COMPETITION SERIES EXHAUST SYSTEM INSTALLATION

1. Install the megaphone mounting bracket #7-70071 to the transmission using the saved allen bolts. Replace the two remaining allen bolts saved on step 13 of removal refer to (*Figure 2*).
2. Reinstall the clutch release cover and oil dip stick cover. Clean any fluids that may have dripped during removal.
3. Identify the front head pipe #7-80273. Install the stock flange and circlip, install the head pipe leaving the flange nuts hand tight.
4. Repeat the above step for the rear head pipe #7-80274.
5. Slip the megaphone/collector assembly onto the head pipes, secure with the two springs supplied using the spring puller tool.
6. Slide the dog bone nut plate inside the bracket welded to the back of the megaphone then attach and align bracket, leave the bolts hand tight at this time.



Figure 1



Figure 2

7. Tighten the cylinder head flange nuts for both the front and rear head pipes. Now tighten the megaphone bolts.
8. On models with O² sensors replace the O² plugs with the O² sensors removed from the stock exhaust on the front and rear head pipes.
9. Reconnect the O² sensors to the wire harness.
10. Clean all fingerprints from the exhaust using a contact cleaner (or other non flammable cleaner). Fingerprints will leave stains on the pipe once the motorcycle is started.
11. You are now ready to start the motorcycle.
12. Recheck transmission fluid and motor oil levels.

Note: After initial ride it is recommended to re-torque the baffle screw to 8-10 lb. using a 5/32" allen wrench and retighten the cylinder head flange nuts.

For best results, we recommend fuel injection mapping for your new combination using a Fuelpak or Power Commander. Settings for the Fuelpak and some Power Commander maps are available on our website at www.vhmotorsports.com

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75-104-4 HD TOURING 2:1 COMPETITION SERIES EXHAUST SYSTEM (95-08)



75-104-4 PARTS LIST		
PART NO.	DESCRIPTION	75-104-4 /QTY.
7-50067	Meg./Baffle Assy.	1
7-80273	Front Pipe Assy.	1
7-80274	Rear Pipe Assy.	1
7-70007	O ² Sensor Plug	2
7-30002	Spring	2
7-70043	Dog Bone Nut Plate	1
7-70046	Bolt, Flange Serrated 5/16-18 x 5/8	2
7-70071	Meg-Mounting Bkt (95-08)	1
7-60032	Comp. Series Baffle Assy. 10 1/2" TVD-DPD	1
7-70014	Bolt, BHCS 1/4"-20 x 5/8"	1
7-70058	Bolt, BHCS 1/4"-20" x 1/2"	1
7-70055	Flat Washer	2
7-70056	Lock Washer	2
7-70036	Rivet	2
7-50044	Name Plate 2.5" CL	1
7-30004	Exhaust Spring Puller Tool	1
7-60007	Baffle Packing	1

DRAG SPECIALTIES PART#: 1800-1062

STOCK EXHAUST: 32.3 lbs
75-104-4: 9 lbs

